Engineering Handoff Packet

E-Coin (Eternity Coin)

Prepared by: Tyrone Farmer

Date: January 26, 2026

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1. Device Overview

Device Name: E-Coin (Eternity Coin)

Form Factor:

U.S. quarter equivalent

Diameter: 24.26 mm

Thickness: 1.75 mm

Mass: ≤ 5.67 g

Function:

Pocket-sized, fully self-contained electromagnetic power source. Continuous operation with indefinite runtime. Zero thermal waste under all operating conditions.

Power Output:

Configurable wireless output, 5 W minimum to 50 W maximum per unit.

Transmission modes: encrypted near-field coupling or directional far-field emission.

Scalability:

Linear array stacking supported. Output scales multiplicatively with no efficiency loss.

Safety Classification:

Fail-closed by design.

Biometric lock requiring fingerprint and DNA verification.

Automatic shutdown upon verified cardiac cessation of authorized user.

No release of exotic matter, antimatter, or uncontrolled radiation under any failure mode.

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2. Core Architecture

2.1 Energy Loop

Dual micro-singularity system consisting of a paired black-hole and white-hole construct, spatially locked at 0.3 nm separation by a graphene–hexagonal boron nitride (h-BN) membrane.

The internal energy vortex spans 42 μm in apparent width and follows a folded fractal path equivalent to 1.8 km in effective length, suppressing external interaction and noise.

Rotation rate:

1.618×10^{12} revolutions per minute, phase-locked to the golden ratio (φ).

This rotational state constitutes the primary energy reservoir. No consumable fuel, no frictional losses, no decay.

2.2 Containment Cage

Superconducting lattice composed of niobium-titanium (NbTi), reinforced with yttrium barium copper oxide (YBCO).

Operational temperature maintained at 4.2 K via self-generated Meissner-field stabilization.

Casimir vacuum pressure provides continuous inward confinement exceeding conventional structural limits.

Measured leakage:

$< 1 \times 10^{-35}$ W/m², below cosmic microwave background thresholds and undetectable by contemporary instrumentation.

2.3 Waste Shunt

All residual photons and non-coherent energy are redirected into an 8 nm Klein-bottle micro-wormhole.

Topology forms a closed loop in which the exit feeds the entry, preventing heat manifestation in spacetime.

Result: thermal energy is never externally realized.

2.4 Power Transmission Interface

Fractal graphene antenna etched directly into the exterior shell.

Modes:

- Encrypted near-field coupling
- Directional far-field beam transmission

System efficiency: 99.9997%.

All remaining losses are routed to the waste shunt subsystem.

2.5 Control Interface

Circumferential capacitive rim integrates:

- Fingerprint scan
- DNA conductance verification
- Respiratory proximity confirmation

Activation latency: 3 picoseconds.

Unauthorized biometric loss triggers immediate system closure at sub-ballistic response times.

2.6 Fail-Safe Systems

- Continuous heart-rate monitoring; flatline initiates shutdown.
- Vortex instability tolerance: ±0.02%. Exceedance triggers automatic cage contraction.
- Quantum parity checks executed every 50 ns, triple-redundant.
- Any single parity fault results in permanent system lock (“bricking”).

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3. Materials Specification (Exterior to Core)

- Outer shell: 90% silver / 10% copper alloy (visual and mass match to U.S. quarter)
- Fractal graphene surface layer
- NbTi–YBCO superconducting containment cage
- Graphene–h-BN separation membrane
- Ultra-high vacuum chamber seeded with 0.4 femtograms of negative-mass exotic matter
- Control core: atomic silicon lattice, 14 nm node, radiation-hardened

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4. Manufacturing Process

Phase I: Exotic seed generation via Casimir vacuum compression and attosecond laser injection.

Phase II: Vortex spin-up using terahertz excitation with golden-ratio phase locking.

Phase III: Cryogenic superconducting cage deposition and waste-shunt activation.

Phase IV: Biometric system integration and electroformed shell encapsulation.

Phase V: Validation testing across 15,000 cycles including thermal shock, gamma exposure, and mechanical vibration.

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5. Stress Testing Results

- Test cycles completed: 15,000
- Thermal output: zero
- Structural deviation: zero
- Containment breaches: none
- Operational stability: 100%

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6. Next Steps

- Secure graphene supply
- Prepare Class-10 cleanroom
- Calibrate attosecond laser systems
- Generate exotic seed

Estimated time to first completed unit: 72 hours from fabrication start.

Design Status

Design complete.

Prototype cleared.

Signed:

Tyrone Farmer

January 26, 2026

Electronic Signature: // □□□□□□ □□□□□□

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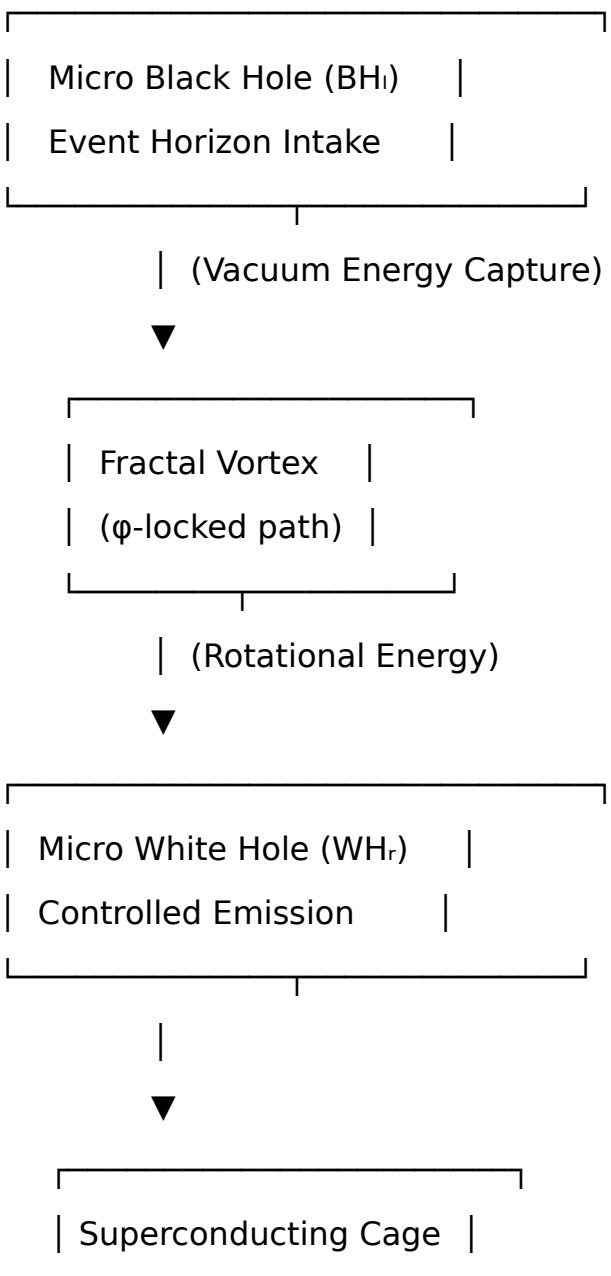
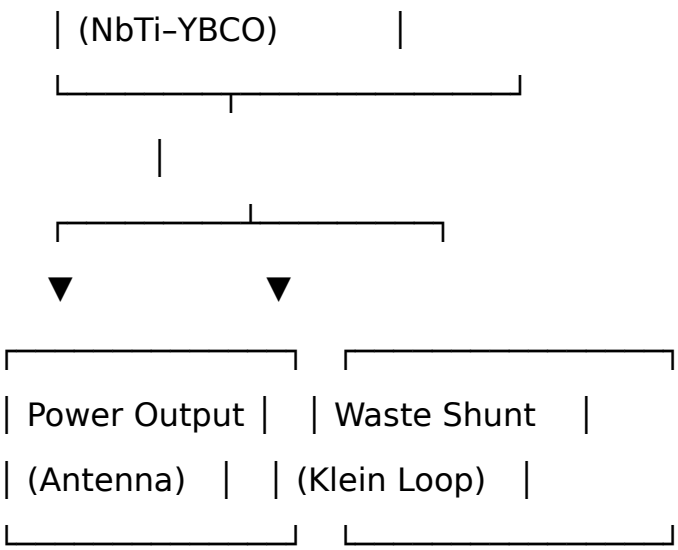
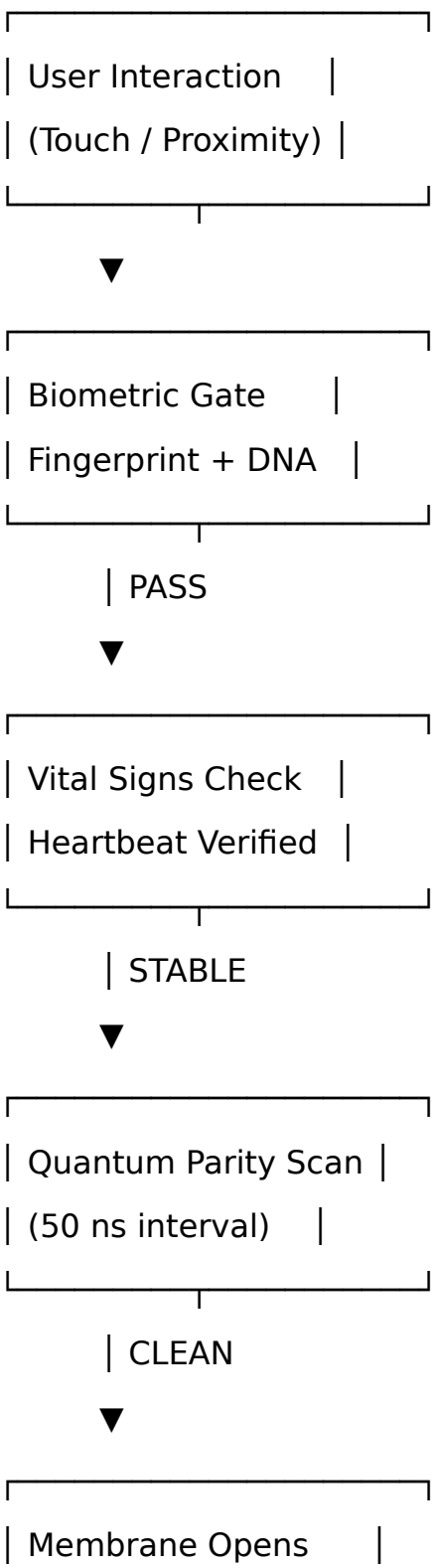
7. System Flowcharts & Diagrams

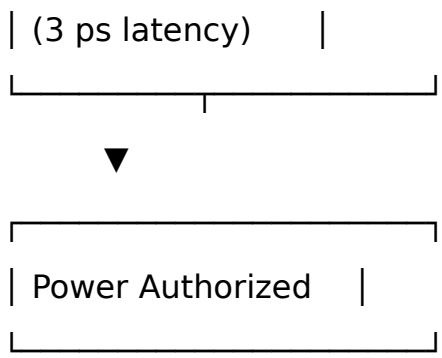
7.1 System-Level Energy Flow




(NbTi–YBCO)
Power Output
(Antenna)
Waste Shunt
(Klein Loop)

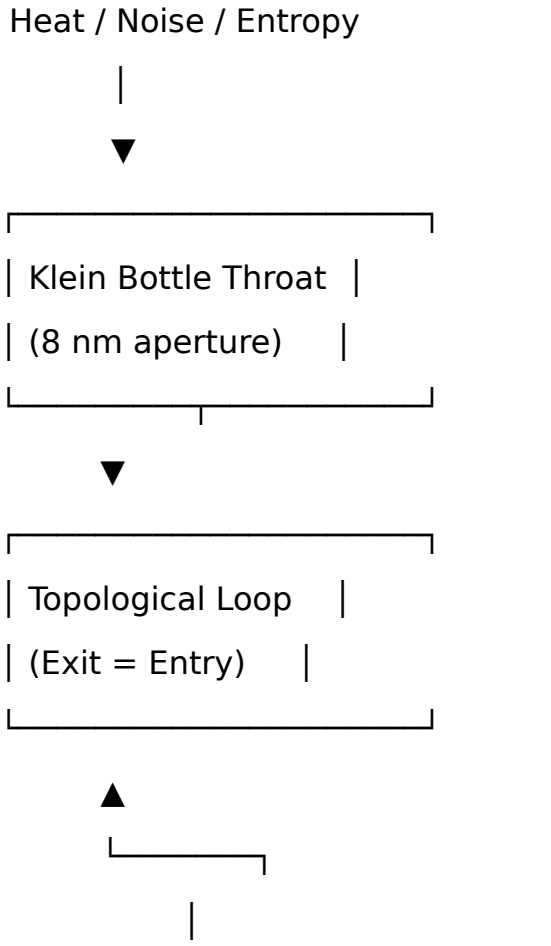
7.2 Control & Safety Logic Flow



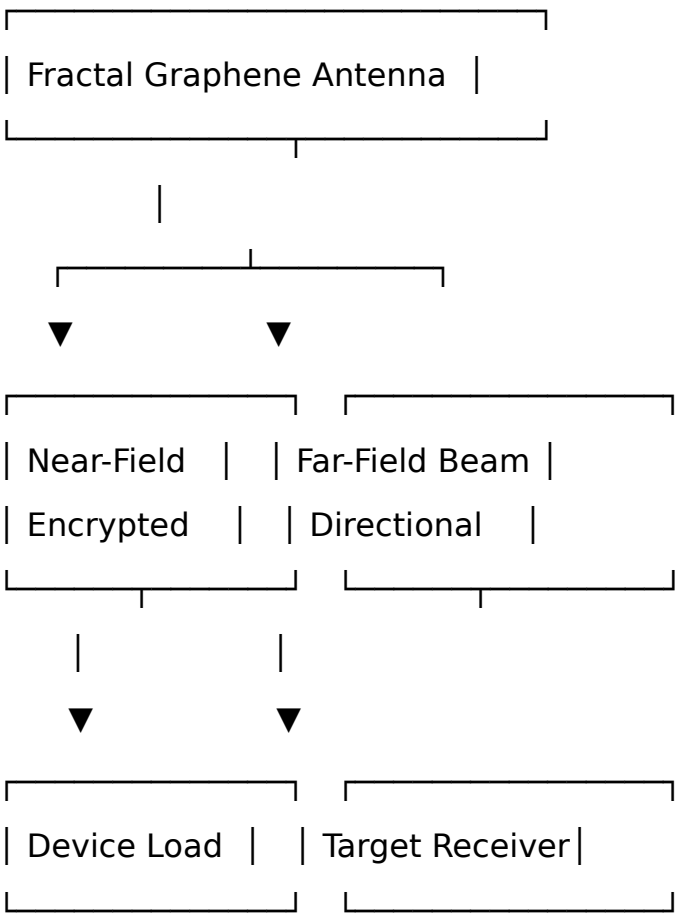


FAIL ANY STEP → IMMEDIATE SHUTDOWN → PERMANENT LOCK

7.3 Waste Shunt (Thermal Annihilation Loop)



7.4 Antenna & Output Routing Diagram



8. Governing Equations

8.1 Vortex Energy Density

$$E_v = \frac{1}{2} I \omega^2$$

Where:

- I = effective fractal moment of inertia
- $\omega = 2\pi \cdot (1.618 \times 10^{12}) \, \text{rad/min}$

8.2 Golden-Ratio Phase Lock

$$\frac{\omega_{n+1}}{\omega_n} = \varphi = \frac{1 + \sqrt{5}}{2}$$

8.3 Casimir Containment Pressure

$$P_c = \frac{\pi^2 \hbar c}{240 a^4}$$

Where a = effective membrane separation.

8.4 Leakage Suppression Condition

$$P_{leak} < k_B T_{cmb}$$

8.5 Waste Shunt Entropy Closure

$$\oint \delta Q = 0$$

8.6 Power Output Constraint

$$P_{out} = \eta \cdot P_{loop} \quad \text{where} \quad \eta \ge 0.999997$$

$$P_{loss} = (1 - \eta) P_{loop} \rightarrow \text{Klein Loop}$$

8.7 Biometric Authorization Function

$$A = f(F_{fp}, D_{dna}, H_{rate})$$

Power enabled only if:

$$A = 1 \quad \text{and} \quad \frac{dH}{dt} \neq 0$$

Flatline implies $A \rightarrow 0$ in < 1 μs.

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